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Morbidity and Mortality

Weekly
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

MELrose 4-5131

For release April 6, 1962

ATLANTA 22, GEORGIA

Vol. 11, No. 13

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED MARCH 31, 1962

INFLUENZA - Vermont reports small outbreaks of influenza-like disease in the center of the State which began in the middle of March. No other significant outbreaks have been reported in the United States this week. South Dakota reports a single serologic titer rise, bringing the number of States confirming Influenza B to 41. Slightly above expected levels this week, pneumonia and influenza deaths reported by 108 United States cities exceed expected levels for the 13th consecutive week.

Further outbreaks of Influenza B have been reported in several additional areas outside the United States. In France, a limited outbreak has been reported in a military hospital in Brittany; in the Federal Republic of

Germany, a widespread epidemic was recorded in Hesse during January; in Canada, several limited outbreaks were reported in Quebec.

Extensive epidemics confirmed as due to influenza A₂ have been reported from Hungary and Korea. Both were associated with a high disease incidence.

POLIOMYELITIS - Three paralytic cases were reported this week; two from separate counties in Texas and one from Indiana. No concentration of cases to any localized geographic area is yet apparent. The total of paralytic cases reported during 1962 is 49. Comparable figures during the previous five years are as follows:

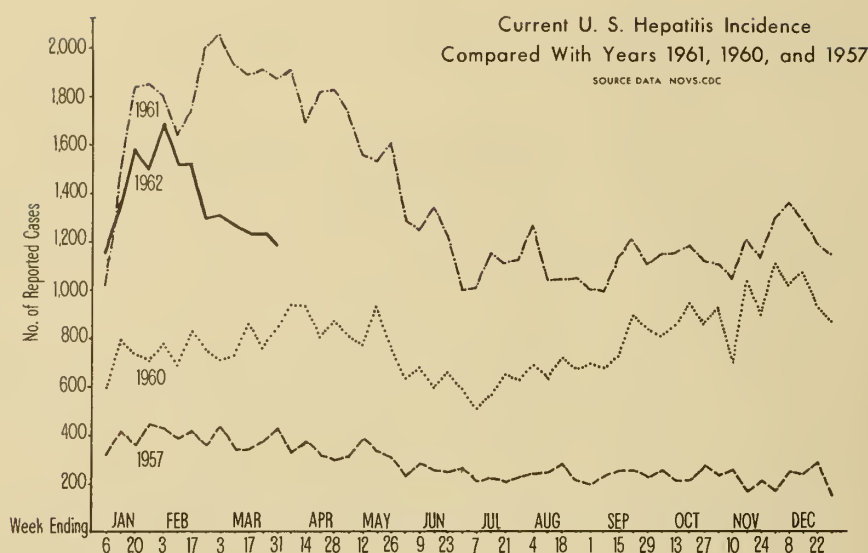
Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES - UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	13th Week			Cumulative		
	Ended March 31, 1962	Ended April 1, 1961	Median 1957 - 1961	1962	1961	Median 1957 - 1961
Aseptic meningitis.....	11	29	---	205	290	---
Brucellosis	8	17	16	77	134	171
Diphtheria	5	8	10	134	200	217
Encephalitis, infectious.....	32	40	35	336	342	307
Hepatitis, infectious and serum...	1,193	1,856	469	17,974	23,026	7,088
Measles	21,946	14,531	16,428	171,136	151,176	167,088
Meningococcal infections	50	50	54	672	653	739
Poliomyelitis, total.....	3	4	15	76	103	216
Paralytic	3	3	7	49	60	154
Nonparalytic.....	-	1	4	10	25	36
Unspecified.....	-	-	4	17	18	26
Streptococcal sore throat and Scarlet fever	9,250	8,488	---	114,892	124,315	---
Tetanus	4	---	---	30	---	---
Tularemia	7	---	---	65	---	---
Typhoid fever	4	14	10	101	113	128
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	---	---	3	---	---
Rabies in Animals.....	88	72	80	1,008	850	1,099

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:
Botulism:
Malaria:
Plague:

Psittacosis: Utah - 1, Wis. - 1
Rabies in Man:
Smallpox:
Typhus, murine: Ga. - 1



Polio (Cumulative Total) Through 13th Week
For Past Five Years

	1962	1961	1960	1959	1958
Total Cases	76	103	216	296	216
Paralytic	49	60	154	211	121

HEPATITIS — A continuing decline in hepatitis cases is noted this week. (See graph, page 98). In each of the regions, the total cases reported are below 1961 levels except for New England which shows a moderate increase over last year. Within this region, Maine, New Hampshire, and Massachusetts account for the increased number of cases.

EPIDEMIOLOGICAL REPORTS

Typhoid Fever Related to Raw Oyster Consumption — Southeastern U. S.

During the last three months of 1961, a series of six cases of typhoid fever occurred in Florida, Georgia and Alabama, which subsequent investigation linked to a common source. The first five occurred during the 17 day period, October 16 to November 1; the sixth case experienced onset of symptoms on December 19. All had consumed raw oysters during the appropriate incubation period. The oysters consumed by the first five cases appear to have been processed by a single oyster shucking plant in Florida; those consumed by the sixth case were taken from an oyster bed from which the processing plant also received oysters.

Cultures obtained from each of these six cases have grown *Salmonella typhosa*, phage type A. Bacteriologic studies carried out by the CDC Enteric Bacteriology Unit reveal that each possesses a peculiar insusceptibility to

an unadapted mutant of Vi phage II isolated previously at the CDC laboratory. (Except for strains associated with this outbreak all typhoid organisms of phage type A tested at CDC thus far have proven susceptible to this phage.)

The first of the cases (see table) occurred in the wife of the owner of the oyster processing plant. The patient, who worked as an oyster shucker became ill on October 16. A second case occurred on October 23 in a 35-year-old woman also employed as a shucker at this plant. Both of these women frequently consumed oysters raw while engaged in shucking operations. A third case occurred on October 30 in a 21-year-old Negro male, the brother-in-law of the maid, who works for the owners of the oyster plant. He is known to have frequently consumed food, including raw oysters, obtained from the owner's house.

Age	Sex	Date of Onset	Residence	Occupation
28	F	Oct. 16	Apalachicola, Fla.	Shucker, wife of owner
51	M	Oct. 20	Meigs, Ga.	Former
35	F	Oct. 23	Apalachicola, Fla.	Shucker
21	M	Oct. 30	Apalachicola, Fla.	Brother-in-law of maid for owner
10	M	Nov. 1	Phenix City, Ala.	Student
51	F	Dec. 19	Valparaiso, Fla.	Housewife

Since oysters from this shucking plant were known to have been shipped during this period primarily within Florida and to Georgia and North Carolina, all typhoid cases of phage type A in these States were intensively investigated by the respective State Health Department authorities and CDC epidemiologists. In Georgia, during the preceding six months, only one case known to have been caused by a phage type A strain was recorded. This occurred on October 20 in a 51-year-old white male farmer from Meigs, Georgia. The patient regularly consumed large quantities of raw oysters purchased from a grocery store

in Meigs. It was established that this store is supplied by a trucker who distributes oysters processed by the Florida shucking plant. A review of North Carolina typhoid cases revealed only one to be of phage type A. This occurred in a non-oyster consumer; the organism did not show the unique phage typing characteristics common to the other strains.

Investigation about this time of a reported focal outbreak of typhoid cases in Phenix City, Alabama, revealed one bacteriologically confirmed and several suspect cases. The confirmed case was in a ten-year-old white boy who became ill on November 1. He consumed oysters on-the-half-shell at two restaurants in Columbus, Georgia, on October 22. Both restaurants were supplied by a single distributor who retained no records of purchases or shipments. The bulk of the oysters he receives, however, derive from Florida and, from known distribution patterns, could have been obtained from the suspect oyster processing house.

Intensive investigations, both epidemiological and laboratory, were carried out by the Florida State Board of Health. These included the processing of over 1,500 cultures of case contacts and employees of oyster shucking houses plus cultures of oysters, bay water, drinking water and sewage. One specimen only revealed *S. typhosa*. This was from a previously unknown typhoid carrier, a 67-year-old oyster tonger who worked alone and sold oysters exclusively to the single processing plant involved. The organism isolated from him was phage type A and, like those from the cases, was uniquely insusceptible to the unadapted mutant Vi phage II.

Intensive investigation of all typhoid cases occurring since early 1961 was undertaken by the Florida State Board of Health but, until December, no additional related cases were discovered. On December 19, a 51-year-old white female whose home is in Valparaiso, Florida, developed an enteric illness later identified as typhoid fever. *S. typhi* were recovered from her stool. Phage test-

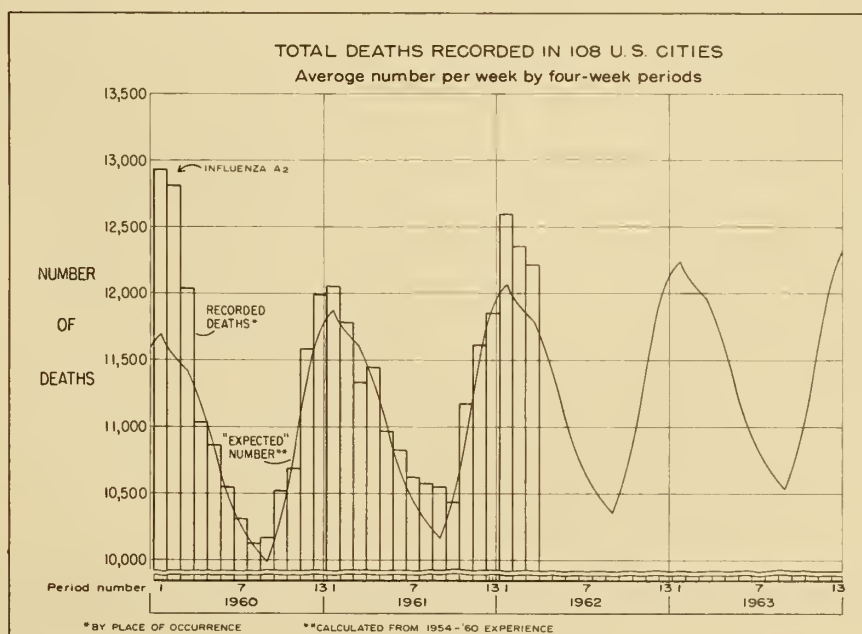
(Continued on page 104)

MORTALITY SUMMARY - TOTAL DEATHS REPORTED IN 108 CITIES

For the four-week period ending March 31, deaths from all causes remained well above expected levels. Excess mortality fluctuated (see table) during the period, but averaged 435 deaths per week. In the corresponding period of the 1960 Influenza A₂ epidemic, the average weekly excess mortality was 635 deaths.

TOTAL DEATHS RECORDED IN 108 UNITED STATES CITIES

	WEEK ENDING				4 Week Total	Weekly Average
	3/10	3/17	3/24	3/31		
Observed	12,472	12,414	11,906	12,059	48,851	12,213
Expected	11,844	11,806	11,759	11,703	47,112	11,778
Excess	628	608	147	356	1,739	435



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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

APRIL 1, 1961 AND MARCH 31, 1962

Area	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic				Poliomyelitis, Nonparalytic		Aseptic Meningitis	
	13th week		Cumulative First 13 weeks		13th week		Cumulative First 13 weeks		13th week		13th week	
	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961
UNITED STATES.....	3	4	76	103	3	3	49	60	-	1	11	29
NEW ENGLAND.....	-	-	-	3	-	-	-	3	-	-	-	2
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	2	-	-	-	2	-	-	-	2
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	-	1	29	6	-	1	16	5	-	-	2	-
New York.....	-	-	29	3	-	-	16	2	-	-	-	-
New Jersey.....	-	-	-	2	-	-	-	2	-	-	-	-
Pennsylvania.....	-	1	-	1	-	1	-	1	-	-	2	-
EAST NORTH CENTRAL.....	1	1	9	16	1	1	6	10	-	-	1	6
Ohio.....	-	1	4	8	-	1	4	4	-	-	-	1
Indiana.....	1	-	4	1	1	-	2	1	-	-	-	-
Illinois.....	-	-	1	3	-	-	-	3	-	-	1	3
Michigan.....	-	-	-	1	-	-	-	1	-	-	-	2
Wisconsin.....	-	-	-	3	-	-	-	1	-	-	-	-
WEST NORTH CENTRAL.....	-	-	5	2	-	-	1	2	-	-	-	1
Minnesota.....	-	-	-	1	-	-	-	1	-	-	-	1
Iowa.....	-	-	3	-	-	-	1	-	-	-	-	-
Missouri.....	-	-	2	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	1	-	-	-	1	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	-	-	5	10	-	-	5	6	-	-	1	2
Delaware.....	-	-	-	2	-	-	-	1	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia..	-	-	-	-	-	-	-	-	-	-	-	1
Virginia.....	-	-	1	-	-	-	1	-	-	-	-	1
West Virginia.....	-	-	-	2	-	-	-	1	-	-	-	-
North Carolina.....	-	-	1	3	-	-	1	2	-	-	-	-
South Carolina.....	-	-	1	-	-	-	1	-	-	-	-	-
Georgia.....	-	-	1	1	-	-	1	1	-	-	-	-
Florida.....	-	-	1	2	-	-	1	1	-	-	1	-
EAST SOUTH CENTRAL.....	-	-	3	13	-	-	2	2	-	-	1	2
Kentucky.....	-	-	-	13	-	-	-	2	-	-	-	1
Tennessee.....	-	-	1	-	-	-	-	-	-	-	1	-
Alabama.....	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi.....	-	-	2	-	-	-	2	-	-	-	-	1
WEST SOUTH CENTRAL.....	2	-	13	13	2	-	11	5	-	-	-	3
Arkansas.....	-	-	-	1	-	-	-	-	-	-	-	-
Louisiana.....	-	-	4	3	-	-	4	2	-	-	-	-
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	2	-	9	9	2	-	7	3	-	-	-	3
MOUNTAIN.....	-	-	5	15	-	-	3	9	-	-	1	3
Montana.....	-	-	2	1	-	-	1	1	-	-	-	-
Idaho.....	-	-	-	3	-	-	-	1	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	3	-	-	-	3	-	-	1	-
New Mexico.....	-	-	-	1	-	-	-	-	-	-	-	3
Arizona.....	-	-	2	2	-	-	2	1	-	-	-	-
Utah.....	-	-	1	5	-	-	-	3	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	-	2	7	25	-	1	5	18	-	1	5	10
Washington.....	-	-	-	-	-	-	-	-	-	-	-	-
Oregon.....	-	-	-	2	-	-	-	1	-	-	1	1
California.....	-	2	6	22	-	1	4	16	-	1	4	9
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	1	1	-	-	1	1	-	-	-	-
Puerto Rico.....	1	1	2	2	1	1	2	2	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 1, 1961 AND MARCH 31, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, Infectious		Hepatitis, Infectious and serum				Measles	
	13th week	Cumulative 13 weeks	13th week	Cumulative 13 weeks	13th week		13th week				13th week	
							Under 20 yr.	20 & over	Total	Total		
							1962	1962	1962	1961		
	1962	1962	1962	1962	1962	1961	1962	1962	1962	1961	1962	1961
UNITED STATES.....	8	77	5	134	32	40	643	457	1,193	1,856	21,946	14,531
NEW ENGLAND.....	-	-	-	-	4	6	36	33	69	41	2,389	1,322
Maine.....	-	-	-	-	1	-	12	3	15	1	309	20
New Hampshire.....	-	-	-	-	-	-	-	1	1	1	47	70
Vermont.....	-	-	-	-	-	-	-	-	-	5	66	3
Massachusetts.....	-	-	-	-	1	3	20	24	44	20	1,243	628
Rhode Island.....	-	-	-	-	1	2	1	-	1	4	94	395
Connecticut.....	-	-	-	-	1	1	3	5	8	10	630	206
MIDDLE ATLANTIC.....	-	1	-	2	8	5	83	93	176	237	4,238	2,219
New York.....	-	-	-	2	4	1	29	49	78	120	2,658	1,030
New Jersey.....	-	-	-	-	-	2	31	19	50	65	1,173	549
Pennsylvania.....	-	1	-	-	4	2	23	25	48	52	407	640
EAST NORTH CENTRAL.....	1	20	1	3	1	2	156	90	254	351	2,208	4,404
Ohio.....	-	-	-	-	-	-	59	28	91	117	502	918
Indiana.....	1	2	-	1	-	-	24	9	33	56	355	207
Illinois.....	-	16	-	-	1	-	17	15	36	45	442	480
Michigan.....	-	-	1	2	-	2	53	35	88	132	730	1,093
Wisconsin.....	-	2	-	-	-	-	3	3	6	1	179	1,706
WEST NORTH CENTRAL.....	5	37	2	25	-	-	48	28	92	190	1,186	540
Minnesota.....	1	4	2	9	-	-	12	6	24	22	45	14
Iowa.....	-	18	-	1	-	-	12	9	21	87	934	234
Missouri.....	-	1	-	-	-	-	16	4	26	30	98	173
North Dakota.....	1	1	-	-	-	-	1	2	3	7	104	50
South Dakota.....	-	1	-	3	-	-	-	2	2	5	3	-
Nebraska.....	1	6	-	11	-	-	-	-	4	20	2	69
Kansas.....	2	6	-	1	-	-	7	5	12	19	NN	NN
SOUTH ATLANTIC.....	1	6	1	25	5	4	77	60	140	241	1,303	1,433
Delaware.....	-	-	-	-	-	-	-	1	1	25	10	84
Maryland.....	-	-	-	-	1	1	6	6	12	21	99	128
District of Columbia..	-	-	-	1	-	-	1	3	4	4	40	4
Virginia.....	-	1	-	4	-	-	20	12	34	28	400	379
West Virginia.....	-	-	-	-	-	-	10	1	12	44	500	225
North Carolina.....	-	2	-	4	4	2	29	15	44	53	13	267
South Carolina.....	-	-	-	2	-	-	3	4	7	17	25	89
Georgia.....	1	2	-	4	-	-	-	2	2	30	32	48
Florida.....	-	1	1	10	-	1	8	16	24	19	184	209
EAST SOUTH CENTRAL.....	-	3	-	8	1	-	113	28	144	322	1,760	1,226
Kentucky.....	-	-	-	-	-	-	49	10	61	53	322	538
Tennessee.....	-	2	-	4	-	-	44	8	53	143	1,188	496
Alabama.....	-	1	-	3	-	-	9	5	14	73	46	143
Mississippi.....	-	-	-	1	1	-	11	5	16	53	204	49
WEST SOUTH CENTRAL.....	1	6	-	54	3	-	52	28	103	119	4,425	522
Arkansas.....	-	-	-	1	1	-	6	1	7	24	4	56
Louisiana.....	1	1	-	7	-	-	21	6	29	11	2	1
Oklahoma.....	-	-	-	3	-	-	1	-	4	4	103	-
Texas.....	-	5	-	43	2	-	24	21	63	80	4,316	465
MOUNTAIN.....	-	2	-	7	-	-	11	12	46	94	1,006	684
Montana.....	-	-	-	6	-	-	1	2	3	12	228	75
Idaho.....	-	-	-	-	-	-	-	-	4	6	23	56
Wyoming.....	-	-	-	-	-	-	-	-	-	10	3	4
Colorado.....	-	1	-	-	-	-	4	5	18	31	419	97
New Mexico.....	-	-	-	1	-	-	1	-	1	7	NN	NN
Arizona.....	-	-	-	-	-	-	-	-	10	11	240	416
Utah.....	-	1	-	-	-	-	5	5	10	15	90	32
Nevada.....	-	-	-	-	-	-	-	-	-	2	3	4
PACIFIC.....	-	2	1	10	10	23	67	85	169	261	3,431	2,181
Washington.....	-	-	-	-	-	-	12	7	30	46	1,321	317
Oregon.....	-	-	-	-	-	-	10	12	23	38	709	170
California.....	-	2	1	5	10	23	45	65	110	130	1,377	1,678
Alaska.....	-	-	-	5	-	-	-	-	5	46	14	10
Hawaii.....	-	-	-	-	-	-	-	1	1	1	10	6
Puerto Rico.....	-	-	1	11	-	-	27	3	30	15	130	22

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

APRIL 1, 1961 AND MARCH 31, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	13th wk.	Cumulative 13 weeks	13th week		13th wk.	13th wk.	13th wk.	13th wk.	Cumulative 13 weeks	13th week		Cumulative 13 weeks
	1962	1962	1962	1961	1962	1962	1962	1962	1962	1962	1961	1962
UNITED STATES....	50	672	9,250	8,488	4	-	7	4	101	88	72	1,008
NEW ENGLAND.....	6	42	574	729	-	-	-	-	2	-	-	-
Maine.....	-	6	53	51	-	-	-	-	1	-	-	-
New Hampshire.....	1	3	2	25	-	-	-	-	-	-	-	-
Vermont.....	2	2	1	12	-	-	-	-	-	-	-	-
Massachusetts.....	1	15	117	254	-	-	-	-	1	-	-	-
Rhode Island.....	-	4	39	69	-	-	-	-	-	-	-	-
Connecticut.....	2	12	362	318	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC....	9	105	607	1,160	-	-	-	-	12	1	1	24
New York.....	2	49	374	716	-	-	-	-	6	1	1	14
New Jersey.....	5	24	85	284	-	-	-	-	4	-	-	-
Pennsylvania.....	2	32	148	160	-	-	-	-	2	-	-	10
EAST NORTH CENTRAL..	9	141	908	1,135	-	-	1	-	12	8	5	148
Ohio.....	2	43	111	247	-	-	1	-	4	-	1	50
Indiana.....	1	14	144	193	-	-	-	-	-	8	1	70
Illinois.....	1	21	192	185	-	-	-	-	3	-	1	15
Michigan.....	2	54	242	299	-	-	-	-	3	-	2	7
Wisconsin.....	3	9	219	211	-	-	-	-	2	-	-	6
WEST NORTH CENTRAL..	2	32	339	259	-	-	2	1	6	15	22	306
Minnesota.....	-	3	37	9	-	-	-	-	-	2	2	52
Iowa.....	1	6	93	73	-	-	-	-	-	7	8	136
Missouri.....	-	9	16	29	-	-	2	1	5	3	6	52
North Dakota.....	1	2	119	68	-	-	-	-	-	2	1	25
South Dakota.....	-	1	-	-	-	-	-	-	-	1	4	37
Nebraska.....	-	5	1	-	-	-	-	-	1	-	1	3
Kansas.....	-	6	73	80	-	-	-	-	-	-	-	1
SOUTH ATLANTIC.....	7	105	615	614	-	-	3	1	15	16	5	86
Delaware.....	-	12	4	17	-	-	-	-	-	-	-	-
Maryland.....	-	4	23	46	-	-	-	-	2	-	-	1
Dist. of Columbia..	1	6	2	2	-	-	-	1	2	-	-	-
Virginia.....	1	22	243	181	-	-	1	-	3	8	1	44
West Virginia.....	2	8	161	244	-	-	-	-	1	7	4	25
North Carolina.....	2	28	38	29	-	-	-	-	-	-	-	-
South Carolina.....	1	6	35	27	-	-	-	-	1	-	-	-
Georgia.....	-	6	2	9	-	-	2	-	3	-	-	1
Florida.....	-	13	107	59	-	-	-	-	3	1	-	15
EAST SOUTH CENTRAL..	2	45	1,459	1,626	-	-	-	1	9	15	11	148
Kentucky.....	1	11	78	368	-	-	-	-	-	4	1	39
Tennessee.....	-	19	1,253	1,204	-	-	-	1	4	11	5	104
Alabama.....	1	9	4	16	-	-	-	-	3	-	5	5
Mississippi.....	-	6	124	38	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL..	-	64	980	539	2	-	1	1	33	21	16	215
Arkansas.....	-	8	6	15	1	-	-	1	3	2	2	34
Louisiana.....	-	27	3	3	1	-	1	-	11	3	2	10
Oklahoma.....	-	4	55	23	-	-	-	-	3	-	-	7
Texas.....	-	25	916	498	-	-	-	-	16	16	12	164
MOUNTAIN.....	2	21	1,829	1,407	1	-	-	-	6	2	4	11
Montana.....	1	3	102	47	-	-	-	-	1	-	-	-
Idaho.....	-	3	144	134	-	-	-	-	-	-	-	-
Wyoming.....	-	2	135	41	-	-	-	-	2	-	-	-
Colorado.....	1	4	835	429	-	-	-	-	-	-	2	-
New Mexico.....	-	-	270	334	1	-	-	-	2	-	2	5
Arizona.....	-	6	200	165	-	-	-	-	1	2	-	6
Utah.....	-	-	143	254	-	-	-	-	-	-	-	-
Nevada.....	-	3	-	3	-	-	-	-	-	-	-	-
PACIFIC.....	13	117	1,939	1,019	1	-	-	-	6	10	8	70
Washington.....	2	11	800	441	-	-	-	-	-	-	-	-
Oregon.....	-	12	54	50	-	-	-	-	-	-	-	-
California.....	11	90	1,041	463	1	-	-	-	6	10	8	70
Alaska.....	-	4	16	64	-	-	-	-	-	-	-	-
Hawaii.....	-	-	28	1	-	-	-	-	-	-	-	-
Puerto Rico.....	-	4	1	20	1	-	-	-	-	1	1	6

Morbidity and Mortality Weekly Report

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Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.^o)

Area	For weeks ending				Area	For weeks ending			
	3/10	3/17	3/24	3/31		3/10	3/17	3/24	3/31
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.	297	290	268	255	Atlanta, Ga.	133	126	119	123
Bridgeport, Conn.	47	41	37	53	Baltimore, Md.	274	288	251	275
Cambridge, Mass.	36	27	38	33	Charlotte, N.C.	51	29	34	37
Fall River, Mass.	22	33	35	36	Jacksonville, Fla.	58	58	79	45
Hartford, Conn.	59	61	59	67	Miami, Fla.	70	107	91	70
Lowell, Mass.	21	23	33	18	Norfolk, Va.	60	68	44	62
Lynn, Mass.	27	29	30	23	Richmond, Va.	109	72	78	94
New Bedford, Mass.	33	22	24	39	Savannah, Ga.	41	41	33	33
New Haven, Conn.	48	52	54	46	St. Petersburg, Fla.	85	76	88	107
Providence, R.I.	66	72	63	68	Tampa, Fla.	74	80	56	63
Somerville, Mass.	10	17	14	14	Washington, D.C.	222	219	194	220
Springfield, Mass.	41	54	44	54	Wilmington, Del.	30	43	32	35
Waterbury, Conn.	25	25	20	24					
Worcester, Mass.	74	68	69	49	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.	80	92	103	69
Albany, N.Y.	52	63	46	54	Chattanooga, Tenn.	80	43	43	51
Allentown, Pa.	40	43	49	44	Knoxville, Tenn.	39	17	33	25
Buffalo, N.Y.	168	158	152	128	Louisville, Ky.	158	129	103	95
Camden, N.J.	35	44	41	63	Memphis, Tenn.	121	126	144	141
Elizabeth, N.J.	35	27	36	28	Mobile, Ala.	46	52	49	35
Erie, Pa.	35	39	62	49	Montgomery, Ala.	34	34	34	34
Jersey City, N.J.	73	86	71	79	Nashville, Tenn.	74	77	71	68
Newark, N.J.	110	118	99	132	WEST SOUTH CENTRAL:				
New York City, N.Y.	1,899	1,918	1,812	1,709	Austin, Tex.	37	41	47	31
Paterson, N.J.	52	30	35	36	Baton Rouge, La.	37	24	34	39
Philadelphia, Pa.	512	589	519	594	Corpus Christi, Tex.	29	25	25	32
Pittsburgh, Pa.	170	165	271	258	Dallas, Tex.	128	146	127	131
Reading, Pa.	37	31	35	19	El Paso, Tex.	34	57	20	56
Rochester, N.Y.	127	119	98	114	Fort Worth, Tex.	82	78	85	75
Schenectady, N.Y.	25	30	20	20	Houston, Tex.	164	190	176	237
Scranton, N.Y.	37	44	46	43	Little Rock, Ark.	82	66	88	77
Syracuse, N.Y.	72	80	63	72	New Orleans, La.	169	175	204	196
Trenton, N.J.	55	57	43	60	Oklahoma City, Okla.	76	91	65	75
Utica, N.Y.	35	34	31	35	San Antonio, Tex.	130	101	134	111
Yonkers, N.Y.	38	40	35	30	Shreveport, La.	57	50	47	49
EAST NORTH CENTRAL:					Tulsa, Okla.	66	60	65	39
Akron, Ohio.	70	47	54	45	MOUNTAIN:				
Canton, Ohio.	39	36	31	47	Albuquerque, N. Mex.	35	15	47	29
Chicago, Ill.	823	794	763	764	Colorado Springs, Colo.	17	15	16	24
Cincinnati, Ohio.	172	164	175	137	Denver, Colo.	124	155	97	137
Cleveland, Ohio.	228	251	219	212	Ogden, Utah.	9	20	15	24
Columbus, Ohio.	156	138	134	100	Phoenix, Ariz.	99	95	105	96
Dayton, Ohio.	78	83	77	79	Pueblo, Colo.	13	13	13	20*
Detroit, Mich.	406	408	369	356	Salt Lake City, Utah.	67	59	53	55
Evansville, Ind.	31	27	35	51	Tucson, Ariz.	62	41	49	45
Flint, Mich.	62	48	49	45	PACIFIC:				
Fort Wayne, Ind.	45	37	41	43	Berkeley, Calif.	14	13	16	21
Gary, Ind.	40	29	31	43	Fresno, Calif.	48	49	39	56
Grand Rapids, Mich.	51	60	52	57	Glendale, Calif.	37	42	36	40
Indianapolis, Ind.	180	152	154	123	Honolulu, Hawaii.	44	48	35	38
Madison, Wis.	37	46	39	26	Long Beach, Calif.	44	51	61	68
Milwaukee, Wis.	115	145	121	121	Los Angeles, Calif.	513	491	502	602
Peoria, Ill.	41	26	28	25	Oakland, Calif.	98	108	96	99
Rockford, Ill.	32	26	24	20	Pasadena, Calif.	45	43	47	37
South Bend, Ind.	20	50	36	27	Portland, Oreg.	167	105	115	115
Toledo, Ohio.	116	113	117	102	Sacramento, Calif.	68	52	55	56
Youngstown, Ohio.	65	69	55	62	San Diego, Calif.	97	86	80	124
WEST NORTH CENTRAL:					San Francisco, Calif.	181	211	209	174
Des Moines, Iowa.	50	60	68	56	San Jose, Calif.	38	34	44	38
Duluth, Minn.	18	22	22	21	Seattle, Wash.	154	148	150	172
Kansas City, Kans.	58	36	37	45	Spokane, Wash.	41	61	42	49
Kansas City, Mo.	146	145	126	129	Tacoma, Wash.	38	49	35	46
Lincoln, Nebr.	43	34	31	18					
Minneapolis, Minn.	128	111	104	115	San Juan, P.R.	39	39	27	26
Omaha, Nebr.	88	81	74	72					
St. Louis, Mo.	226	251	212	237					
St. Paul, Minn.	71	73	70	67					
Wichita, Kans.	58	39	62	43					

^oCurrent Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.	12,059
4(B) Pneumonia-Influenza Deaths, all ages.	571
4(C) Total Deaths under 1 Year of Age.	757
4(D) Total Deaths, Persons 65 years and over.	6,722

*Estimate - based on average percent of divisional total
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

ing at CDC revealed it to have the same characteristics as those obtained from others in the outbreak. The woman had eaten raw oysters on the halfshell on December 5. The oysters were traced to their source, the same bay from which the other oysters derived. They had been harvested on either November 28, 29 or 30; the tonger collecting these oysters worked in the same portion of the bay covered by the proven typhoid carrier. No other relationship could be established between these oysters and the known carrier or the other five cases; further studies are still in progress.

The oyster processing plant was closed immediately after the initial case was recognized; oysters in distributional channels were confiscated.

Intensive investigations of the entire oyster industry in Florida have revealed no evidence of additional sources of contamination with enteric pathogens.

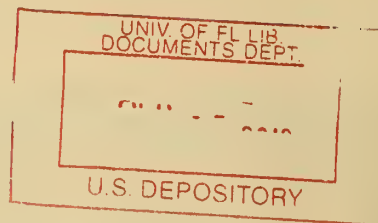
(Reported by Dr. James O Bond, Director, Bureau of Preventable Disease, Florida State Board of Health; Dr. W. J. Murphy, Director, Epidemiology Service, Georgia Department of Public Health; Dr. W.H.Y. Smith, Director, Preventable Diseases, Alabama State Department of Public Health; Dr. Jacob Koomen, Asst. Director, Division of Epidemiology, North Carolina State Board of Health; and the Staff of the Communicable Disease Center.)

INTERNATIONAL NOTES - QUARANTINE MEASURES

Immunization Information for International Travel

1961 edition Public Health Service Publication No. 384
The following information should be deleted from the list of Yellow Fever Vaccination Centers in Section 6:

City	Center	Clinic Hours	Fee
New York	Trons World Airlines, Inc.	Tuesday	Yes
New York City	Medicol Unit, Hangar No. 4 LaGuordia Airport Tel. OLympia 9-6000, Ext. 266	11 a.m.-noon	



U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
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